Datasheet for ABIN2485956

anti-PUMA antibody (C-Term) (HRP)

4 Images

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Overview

Quantity:	100 µg
Target:	PUMA (BBC3)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PUMA antibody is conjugated to HRP
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	C-terminal amino acids of human PUMA
Specificity:	Detects ~23 kDa. Detects ~16 kDa bands sometimes, possibly corresponding to PUMAβ.
Cross-Reactivity:	Chicken, Human, Mouse
Purification:	Protein A Purified

Target Details

Target:	PUMA (BBC3)
Alternative Name:	PUMA (BBC3 Products)
Background:	Apoptosis is related to many diseases and development. The p53 tumor-suppressor protein induces apoptosis through transcriptional activation of several genes. A novel p53 inducible

Target Details

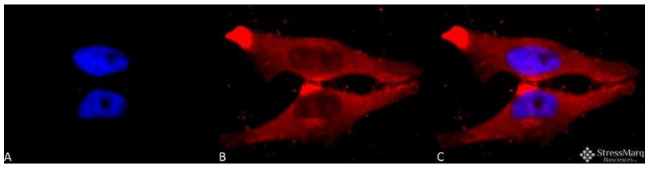
	pro-apoptotic gene was identified recently and designated PUMA (for p53 up-regulated modulator of apoptosis) and bbc3 (for Bcl-2 binding component 3) in human and mouse (1-3). PUMA/bbc3 is one of the pro-apoptotic Bcl-2 family members including Bax and Noxa, which are also transcriptional targets of p53. The PUMA gene encodes two BH3 domain-containing proteins termed PUMA-α and PUMA-β (1). PUMA proteins bind Bcl-2, localize to the mitochondria, and induce cytochrome c release and apoptosis in response to p53. PUMA may be a direct mediator of p53-induced apoptosis.
Gene ID:	27113
NCBI Accession:	NP_001120712
UniProt:	Q9BXH1
Pathways:	p53 Signaling, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	• WB (1:1000) • ICC/IF (1:100) • optimal dilutions for assays should be determined by the user.
Comment:	1 µg/ml of ABIN2485956 was sufficient for detection of PUMA in 20 µg of human K562 cell lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

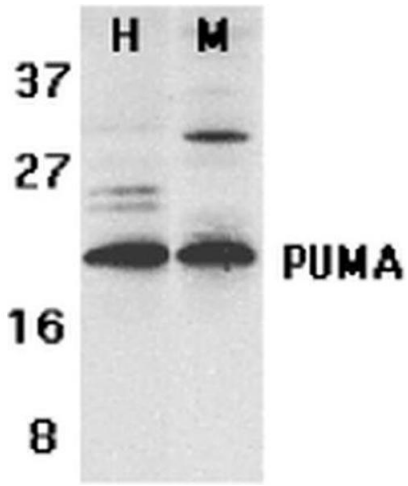
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, 0.02 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C



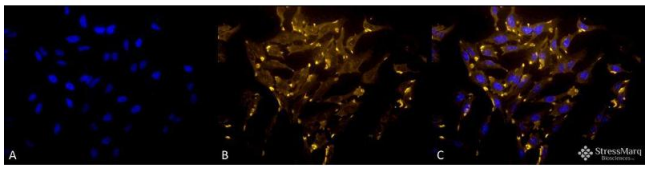
Immunofluorescence (fixed cells)

Image 1. Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-PUMA (CT) Polyclonal Antibody . Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-PUMA (CT) Polyclonal Antibody at 1:125 for 12 hours at 4°C. Secondary Antibody: APC Goat Anti-Rabbit (red) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Mitochondrion. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-PUMA (CT) Antibody. (C) Composite. Heat Shocked at 42°C for 1h.



Western Blotting

Image 2. Western blot analysis of Human, Mouse K562 and 3T3 cell lysates showing detection of PUMA protein using Rabbit Anti-PUMA Polyclonal Antibody . Primary Antibody: Rabbit Anti-PUMA Polyclonal Antibody at 1:1000.



Immunofluorescence (fixed cells)

Image 3. Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-PUMA (CT) Polyclonal Antibody . Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-PUMA (CT) Polyclonal Antibody at 1:125 for 12 hours at 4°C. Secondary Antibody: R-PE Goat Anti-Rabbit (yellow) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Mitochondrion. Magnification: 20x. (A) DAPI (blue) nuclear stain. (B) Anti-PUMA (CT) Antibody. (C) Composite. Heat Shocked at 42°C for 1h.

Images

Please check the product details page for more images. Overall 4 images are available for ABIN2485956.